

22651 U.S. PTO
031704

**NEW UTILITY PATENT APPLICATION
TRANSMITTAL**

DOCKET NO.
YOR919970107US4
(IYO-10-5428-D1)
TOTAL PAGES IN THIS SUBMISSION
3

22782 U.S. PTO
10/803014

031704

TO THE ASSISTANT COMMISSIONER FOR PATENTS

**Box Patent Application
Washington, D.C. 20231**

Transmitted herewith for filing under 35 USC 111(a) and 37 CFR 1.53(b) is a new utility patent application for an invention entitled:

MULTI-SPECTRAL IMAGE COMPRESSION WITH BOUNDED LOSS

invented by:

Boon-Lock Yeo

Joan LaVerne Mitchell

assigned to

**INTERNATIONAL BUSINESS MACHINES CORPORATION
Armonk, New York**

If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation

☒ Divisional

☐ Continuation -in -part (CIP)

in prior application No.: 10/112,475

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☒ Cross References to Related Applications (*if applicable*)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (*if applicable*)
 - d. ☐ Reference to Microfiche Appendix (*if applicable*)
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (*if drawings filed*)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure
3. ☒ Drawing(s) (*when necessary as prescribed by 35 USC 113*)
 - a. ☒ Formal
 - b. ☐ InformalNumber of Sheets 7

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4. ☒ Oath or Declaration
- a. ☐ Newly executed (*original or copy*) ☐ Unexecuted
- b. ☒ Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
- c. ☒ With Power of Attorney ☐ Without Power of Attorney

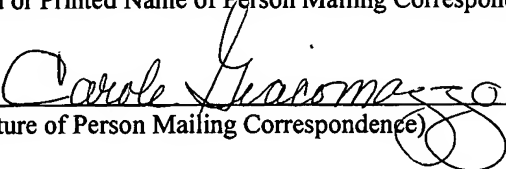
Application Elements (Continued)

5. ☒ Incorporation by Reference (*usable if Box 4b is checked*)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche (*Appendix*)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy (*identical to computer copy*)
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☐ Assignment Papers (*cover sheet & document(s)*)
International Business Machines Corporation
9. ☐ 37 CFR 3.73(B) Statement (*when there is an assignee*)
10. ☐ English Translation Document (*if applicable*)
11. ☒ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcards - 2
14. ☒ Certificate of Mailing
☐ First Class ☒ Express Mail (*Specify Label No.*): EL 897035727 US
15. ☒ Application Data Sheet
16. ☐ Additional Enclosures (*please identify below*):

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|---|--------------------------------------|-----------------|--|
| CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) Applicant(s): Yeo et al | | | DOCKET NO. YOR919970107US4 (IYO-10-5428-D1) |
| Serial No. To be assigned | Filing Date Filed Herewith | Examiner | Group Art Unit |
| Invention: MULTI-SPECTRAL IMAGE COMPRESSION WITH BOUNDED LOSS | | | |
| <p>I hereby certify that the following documents</p> <p style="margin-left: 40px;">New Utility Patent Application Transmittal (in duplicate)</p> <p style="margin-left: 40px;">Application Data Sheet</p> <p style="margin-left: 40px;">Patent Application comprising 22 pages of specification, 7 pages of claims, 1 page of Abstract and 7 sheets of drawings</p> <p style="margin-left: 40px;">Declaration and Power of Attorney from Parent Patent Application</p> <p style="margin-left: 40px;">Copy of IDS Submission Statement with 1449 Form</p> <p style="margin-left: 40px;">Copies of Notice of References Cited by PTO from family of applications</p> <p style="margin-left: 40px;">Two (2) Acknowledgement post cards</p> <p>are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on <u>March 17, 2004.</u></p> <div style="text-align: center; margin-top: 40px;"> <u>Carole Giacomazzo</u> (Typed or Printed Name of Person Mailing Correspondence) </div> <div style="text-align: center; margin-top: 10px;">  (Signature of Person Mailing Correspondence) </div> <div style="text-align: center; margin-top: 40px;"> <u>EL 897035727 US</u> ("Express Mail" Mailing Label Number) </div> | | | |

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FEE CALCULATION AND TRANSMITTAL

CLAIMS AS FILED

| 1) For | 2) Number Filed | 3) Number Extra | Rate | Additional Fee |
|--|-----------------|-----------------|-----------|----------------|
| TOTAL CLAIMS (37 CFR 1.16(c)) | 20 - 20 = | - 0 - | X \$18.00 | \$ 0.00 |
| INDEPENDENT CLAIMS (37 CFR 1.16(c)) | 3 - 3 = | - 0 - | X \$86.00 | \$ 0.00 |
| First Pres. of Multiple Dep. Claims | | -0- | | |
| Basic Fee | | | | \$ 770.00 |
| | | | TOTAL | \$ 770.00 |

- ☐ A check in the amount of _____ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 50-0510 as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$770.00 as filing fee.
- ☒ Credit any overpayment or any deficiency.
- ☒ Charge any additional filing fees required under 37 CFR 1.16 and 1.17.

Respectfully submitted,

Date: March 17, 2004

By: James A. Lucas
James A. Lucas, Reg. No. 21,081
Driggs, Lucas, Brubaker & Hogg Co., L.P.A.
Customer No. 000026677

e-mail: jim@driggslaw.com

JAL:cg

Enclosures